



(TM)

Release 3.1A John F. Collins, Biocomputing Research Unit.
Copyright (C) 1993-1998 University of Edinburgh, U.K.

Distribution rights by Oxford Molecular Ltd.

MSRch_nn n.a. - n.a. database search, using Smith-Waterman algorithm

Run on: Fri Dec 11 06:07:02 1998; MasPar time 1448.41 Seconds
1352.597 Million cell updates/sec

tabular output not generated.

Title: >US-08-765-588-3
Description: (1-1094) from US08765588.seq
Perfect Score: 1094
N.A. Sequence: 1 ccatgagccctgcgtcgc.....gaaggaaaaaaa 1094
Comp: ggtaactcgggagacgagcg.....cttcctttttttttttt

Scoring table: TABLE default

Gap 6

Match 5D : Dbase 0; Query 0

Searched: 2275026 seqs, 895388244 bases x 2

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database: embl-est55
gbank-est107

5:gb_est10 6:gb_est10 7:gb_est11 8:gb_est12 9:gb_est13
10:gb_est14 11:gb_est15 12:gb_est16 13:gb_est17
14:gb_est18 15:gb_est19 16:gb_est22 17:gb_est20
18:gb_est21 19:gb_est3 20:gb_est4 21:gb_est5 22:gb_est6
23:gb_est7 24:gb_est8 25:gb_est9 26:gb_gss1 27:gb_gss2
28:gb_gss3 29:gb_gss4

Statistics:
Mean 11.484; Variance 3.130; scale 3.669

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID	Description	Pred. No.
C 1	53.8	49.2	565 10	AA33535	0.00e+00
C 2	51.0	46.6	566 18	np66d06..s1 NCI_CGAP_Br	0.00e+00
C 3	49.6	45.3	502 13	oy51f05..s1 NCI_CGAP_Br	0.00e+00
C 4	48.9	44.7	493 11	ak08912..s1 Soares para	0.00e+00
C 5	44.1	55.3	11	AA34389	0.00e+00
C 6	46.7	42.7	469 13	zn25d01..rl Strategene	0.00e+00
C 7	46.2	42.2	490 12	ak08811..s1 Soares para	0.00e+00
C 8	39.4	43.1	AA41539	ob29c01..s1 NCI_CGAP_K1	0.00e+00
C 9	41.6	38.0	468 21	zk47h01..rl Soares preg	0.00e+00
10	41.5	37.9	523 21	AA040843	0.00e+00
C 11	37.5	41.2	445 8	AA392448	0.00e+00
C 12	40.5	37.0	412 13	ob08c01..s1 NCI_CGAP_K1	0.00e+00
C 13	40.0	36.6	440 17	AA191655	0.00e+00
	9	AAS35588	AA335588	nr87a04..s1 NCI_CGAP_Co	0.00e+00

ALIGNMENTS

c	14	398	36.4	402 15	AA94812	0221f09..s1 NCI_CGAP_GC	0.00e+00
c	15	387	35.4	415 24	AA31070	EST180930 Jurkat T-cell	0.00e+00
c	16	375	34.3	379 15	AA983317	0056610..s1 NCI_CGAP_K1	0.00e+00
c	17	364	33.3	413 16	R56770	ygg5a12..s1 Homo sapien	0.00e+00
c	18	362	33.1	372 8	AA69054	ne17d08..s1 NCI_CGAP_Co	0.00e+00
c	19	395 12	AA742966	ny15d03..s1 NCI_CGAP_GC	EST16032 Activated T-c	0.00e+00	
c	20	346	31.6	355 25	AN52350	z23604..rl Stratagene	0.00e+00
c	21	342	31.3	374 22	AA182397	0054411..rl Homo sapien	0.00e+00
c	22	316	28.9	341 16	H39505	ab99b07..s1 Stratagene	0.00e+00
c	23	310	28.3	310 13	AA650120	EST117094 Rorta endothe	0.00e+00
c	24	294	26.9	317 24	AA304346	ezw31a04..rl Soares ovar	0.00e+00
c	25	293	26.8	531 6	AA434485	zu64h12..s1 Soares test	0.00e+00
c	26	289	26.4	293 6	AA00486	yr08209..rl Homo sapien	0.00e+00
c	27	287	31.2	312 16	R9823	uc07b01..rl Soares mous	0.00e+00
c	28	283	25.9	389 18	AI74183	ym95a11..s1 Homo sapien	0.00e+00
c	29	278	25.4	294 7	HUM121B07A	yo54a11..rl Soares mous	0.00e+00
c	30	273	25.0	299 16	R8830	zu64h12..rl Soares test	0.00e+00
c	31	261	23.9	297 16	R8830	Human fetal brain cDNA	0.00e+00
c	32	245	22.4	279 7	HUM121B07B	l3771F Fetal heart, La	0.00e+00
c	33	239	21.8	289 20	NR87395	ud78b11..rl Soares mous	0.00e+00
c	34	232	21.2	491 18	AI155033	o061f10..s1 NCI_CGAP_Lu	7.48e-284
c	35	226	20.7	235 15	AA932606	ub78g01..rl Soares mous	3.40e-204
c	36	213	19.5	410 17	AI17413	zu64h12..rl Soares test	4.24e-243
c	37	199	18.2	201 17	AA00532	yrn02g09..s1 Homo sapien	4.16e-216
c	38	181	17.5	193 16	R9830	nn94g06..rl Stratagene	2.51e-186
c	39	161	16.7	423 7	AA073660	mo61a06..rl Stratagene	6.04e-293
c	40	135	14.7	231 23	AA117672	FI-621D 22 week old hu	4.89e-148
c	41	132	12.1	136 21	R2447	EST06302 Homo sapiens	1.17e-143
c	42	124	11.3	225 5	T08411	zv34a01..rl Soares mous	5.04e-132
c	43	118	10.8	118 10	AA19103	0168b05..s1 NCI_CGAP_K1	1.02e-59
c	44	80	7.3	88 15	AA917955	nn94h03..rl Stratagene	1.29e-65
c	45	77	7.0	381 23	AA073557		

Insert Length: 648 Std Error: 0.00
Seq primer: -40m13 fwd. ET from Amersham

High quality sequence stop: 411.

Location/Qualifiers
/note="vector: Pharmacia (Pharmacia) with a modified

/organism="Homo sapiens"

 Release 3.1A John F. Collins, Biocomputing Research Unit.
 Copyright (c) 1993-1998 University of Edinburgh, U.K.
 Distribution rights by Oxford Molecular Ltd

MPSrch.nn n.a. - n.a. database search, using Smith-Waterman algorithm

Run on: Fri Dec 11 06:38:25 1998; Maspar time 163.86 Seconds
 908.342 Million cell updates/sec

Tabular output not generated.

Title: >US-08-765-588-3
 Description: (1-1094) from US08765588.seq

N.A. Sequence: 1 ccatgagccctcgctccgc.....gaagaaaaaaa 1094

Comp:

Scoring table: TABLE default

Gap 6

Nmatch STD : Dbase 0; Query 0

Searched: 188442 seqs, 68026449 bases x 2

Post-processing: Minimum Match 0%
 Listing first 45 summaries

Database: n-geneseg32

1:part2 2:part3 3:part4 4:part5 6:part6 7:part7
 8:part8 9:part9 10:part10 11:part11 12:part12 13:part13
 14:part14 15:part15 16:part16 17:part17 18:part18
 19:part19 20:part20 21:part21 22:part22 23:part23
 24:part24 25:part25 26:part26 27:part27 28:part28
 29:part29 30:part30 31:part31 32:part32 33:part33
 34:part34 35:part35 36:part36 37:part37 38:part38
 39:part39 40:part40

.Statistics:
 Mean 9.233; Variance 6.558; scale 1.408

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

RESULT 1
 ID T33610 standard; cDNA; 1094 BP.
 AC T33610;
 DT 30-NOV-1996 (first entry)
 DE Vascular endothelial growth factor-like protein SOM175 cDNA.
 KW vascular endothelial growth factor; VEGF; VEGF165; SOM175; neuron;
 OS Homo sapiens.
 FH Key Location/Qualifiers
 FT cds 3..626 /*tag= a
 FT signal-peptide 3..65 /*tag= b
 FT mat_peptide 66..623 /*tag= c
 FT
 PN W09627007-A1.
 PD 06-SEP-1996.
 PR 22-FEB-1996; AU00694.
 PR 02-MAR-1995; AU-001457.
 PR 20-NOV-1995; AU-006647.
 PR 22-DEC-1995; AU-007274.
 PA (AMBA-) AMRAD OPERATIONS PTY LTD.
 PI Grimmond S, Hayward NK, Larsson C, Nordenskjold M;
 PI Weber G;
 DR WPI: 96-412774/41.
 DR P-PSDB; W00725.
 PT New growth factor related to vascular endothelial growth factor - useful for inducing astroglial proliferation and promoting neuronal survival
 PS Claim 32; Page 39-40; 113pp; English.
 CC SOM175 cDNA (T33610) codes for a human vascular endothelial growth factor (VEGF)-like polypeptide (W00725) capable of inducing astroglial proliferation and of promoting neural survival and/or proliferation. It was isolated by screening a human foetal brain library with the cosmid p11S750. Nucleotide sequence homology to the human VEGF gene (see also T33609) is 69.7%. The SOM175 gene maps to human chromosome 11q13. Splice variants of SOM175 (see

14 222 20.3 591 28 T37911 Adult heart VEGF-B174 1.36e-109
 15 48 4.4 456 22 T37740 VEGF121 Cys+2 coding 3.85e-11
 16 48 4.4 467 22 T17739 VEGF121 Cys4 coding 3.85e-11
 17 48 4.4 473 17 T09080 cDNA encoding human v 3.85e-11
 18 48 4.4 498 2 01079 Human vascular endoth 3.85e-11
 19 48 4.4 599 22 T17748 VEGF165 Cys+2 coding 3.85e-11
 20 48 4.4 599 22 T17747 VEGF165 Cys+4 coding 3.85e-11
 21 48 4.4 605 17 Q99081 cDNA encoding human v 3.85e-11
 22 48 4.4 774 33 T85644 Antisense inhibitory 3.85e-11
 23 48 4.4 774 39 V15102 Human vascular endoth 3.85e-11
 24 48 4.4 989 2 Q07006 Clone lambda vegf-21 3.85e-11
 25 48 4.4 1154 22 T35743 SAP-AlaMet-VEGF121 co 3.85e-11
 26 48 4.4 1167 22 T17784 SAP(Gly4Ser)VEGF121 c 3.85e-11
 27 48 4.4 1220 22 T35744 SAP(Gly4Ser)VEGF165 c 3.85e-11
 28 48 4.4 1299 22 T17785 SAP(Gly4Ser)VEGF165(Gl 3.85e-11
 29 48 4.4 1395 22 T35740 SAP-AlaMet-VEGF121(Gl 3.85e-11
 30 48 4.4 1538 22 T35745 SAP(Gly4Ser)VEGF121(G 3.85e-11
 31 48 4.4 1557 22 T17789 SAP(Gly4Ser)VEGF121(Gl 3.85e-11
 32 48 4.4 1595 22 T35751 SAP(Gly4Ser)VEGF121(Gl 3.85e-11
 33 48 4.4 1649 22 T35742 DNA for VEGF/CPPG2 fus 3.85e-11
 34 48 4.4 1664 37 T95835 DNA for VEGF/CPPG2 fus 3.85e-11
 35 48 4.4 1787 37 T95830 DNA for VEGF/CPPG2 fus 3.85e-11
 36 48 4.4 1787 22 T35749 SAP-AlaMet-VEGF165-Gl 3.85e-11
 37 48 4.4 1790 37 T95832 DNA for VEGF/CPPG2 fus 3.85e-11
 38 48 4.4 1790 37 T95833 DNA for VEGF/CPPG2 fus 3.85e-11
 39 48 4.4 1802 22 T35748 SAP-AlaMet-VEGF165(Gl 3.85e-11
 40 48 4.4 1808 22 T35752 SAP-GlySer-VEGF165(Gl 3.85e-11
 41 48 4.4 1809 22 T17780 SAP(Gly4Ser)VEGF165(G 3.85e-11
 42 48 4.4 1823 22 T35750 SAP-AlaMet-VEGF165(Gl 3.85e-11
 43 48 4.4 1832 37 T95834 DNA for VEGF/CPPG2 fus 3.85e-11
 44 48 4.4 1859 22 T35753 SAP(Gly4Ser)VEGF165(Gl 3.85e-11
 45 48 4.4 1873 39 V15103 Human vascular endoth 3.85e-11

Page 1

Saoud, Christine

To: STIC-Biotech/ChemLib
Subject: 08/765588

Sequence search –

Please return results via SCORE.

SEQ ID NO:4, 8, 10. – protein search. Patent database – issued and pending.
SEQ ID NO:16 and 3 – nucleic acids. Patent database – issued and pending.

Thank you,
Christine Saoud
AU 1647
571-272-0891
REM 04E81

STIC-Biotech/ChemLib

12-~~927~~927

From: Elliott, George
Sent: Wednesday, December 30, 1998 3:18 PM
To: STIC-Biotech/ChemLib
Cc: Saoud, Christine
Subject: FW: RUSH search

Importance: High

Please rush.

Thanks,

George

-----Original Message-----

From: Saoud, Christine
Sent: Wednesday, December 30, 1998 2:18 PM
To: Elliott, George
Subject: RUSH search
Importance: High

u.S.S.N. 08/765,588

Please search SEQ ID NO:16 in the patent and commercial databases.
This is a rush search because it is a due amended.

thank you,
christine Saoud
CM1-10E03
305-7519